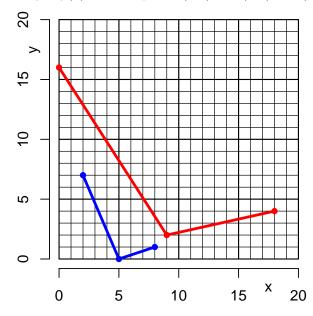
PCW_09_18 Find new points after transformation (version 3)

Question 1

Curve y = f(x) contains points (2,7) and (5,0) and (8,1), as shown on the x-y plane below.



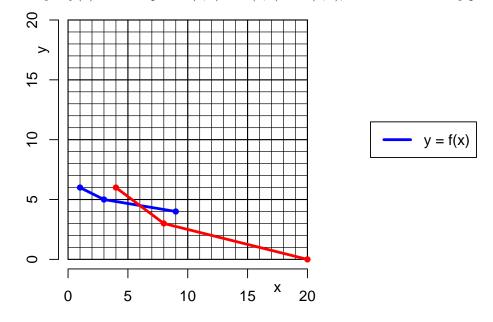
$$y = f(x)$$

On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x+6}{3}\right] + 2$$

Question 2

Curve y = f(x) contains points (1,6) and (3,5) and (9,4), as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3\left(f\left[\frac{x-2}{2}\right] - 4\right)$$